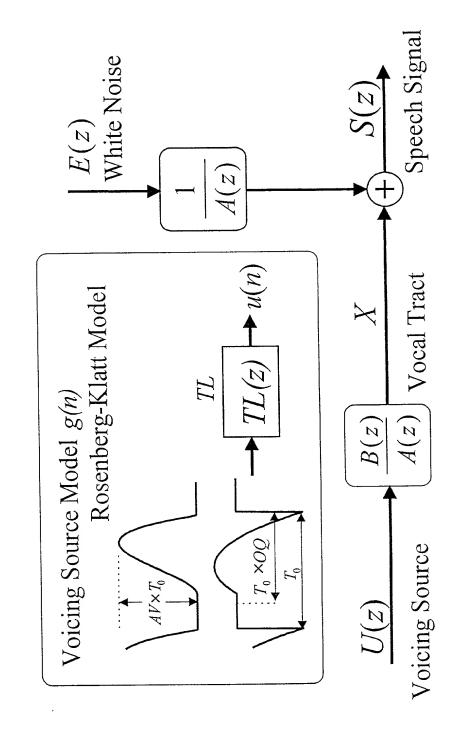
Title: SPEECH ANALYSIS METHOD AND SPEECH SYNTHESIS SYSTEM Atty. Ref. No.: 5077-000066

1/30

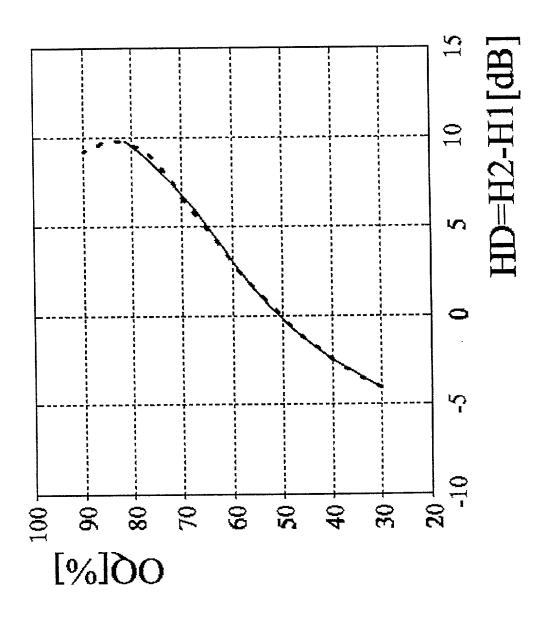
N N



Title: SPEECH ANALYSIS METHOD AND SPEECH SYNTHESIS SYSTEM ALTY. Ref. No.: 5077-000066

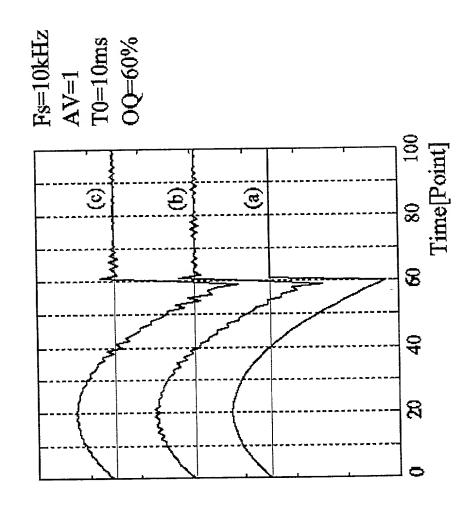
2\30

<u>※</u>



3\30

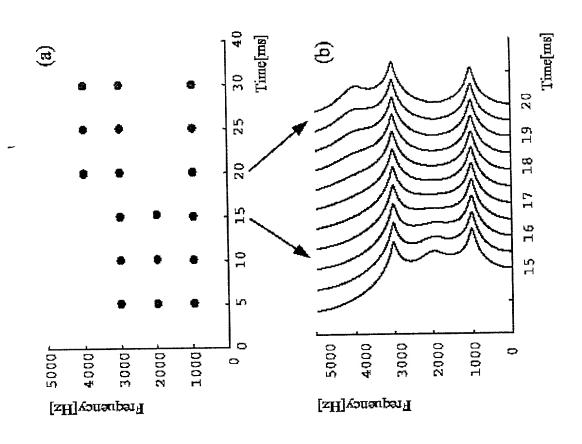
<u>×</u>



Title: SPEECH ANALYSIS METHOD AND SPEECH SYNTHESIS SYSTEM ALty. Ref. No.: 5077-000066

4\30





Title: SPEECH ANALYSIS METHOD AND SPEECH SYNTHESIS SYSTEM AND SPEECH SYNTHESIS SYSTEM

9\30

<u>※</u>

MCEP			
ARX	51%	71%	64%
	Low-Pitch Speech (14)	High-Pitch Speech (9)	Converted Speech (23)

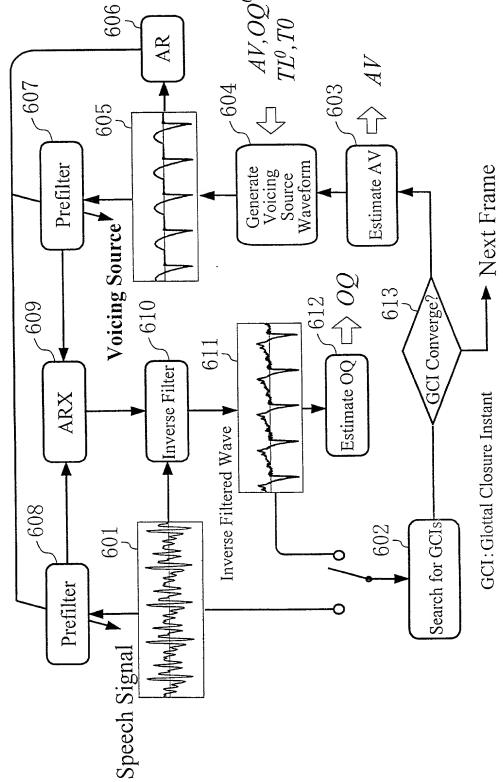
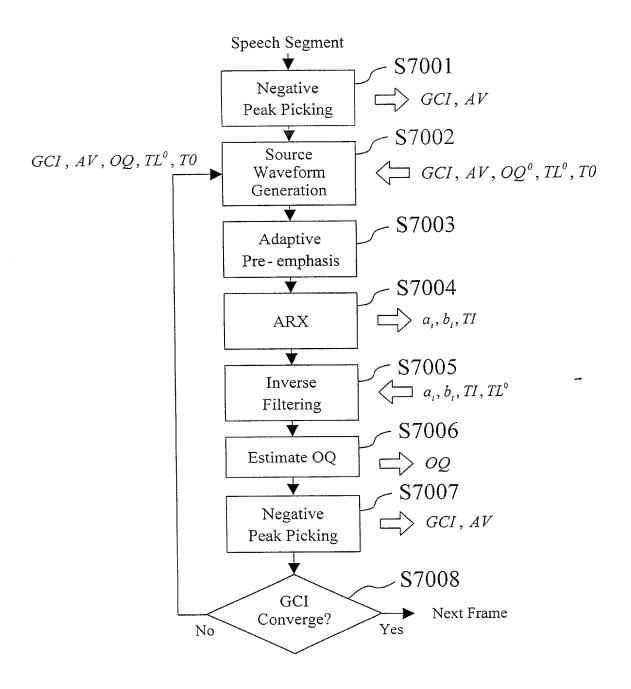
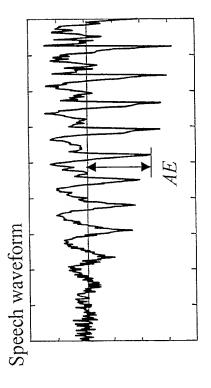


図7



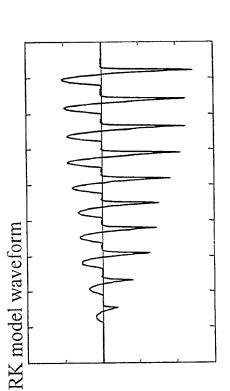
8\30

Title: SPEECH ANALYSIS METHOD AND SPEECH SYNTHESIS SYSTEM AND SPEECH SYNTHESIS SYSTEM Atty. Ref. No.: 5077-000066

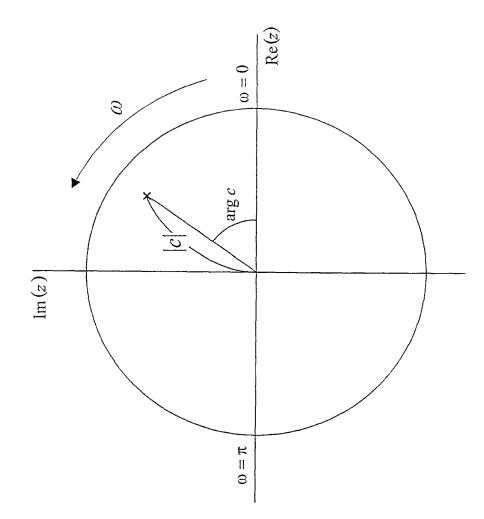


$$AV = \frac{4}{27} OQ \cdot AE$$

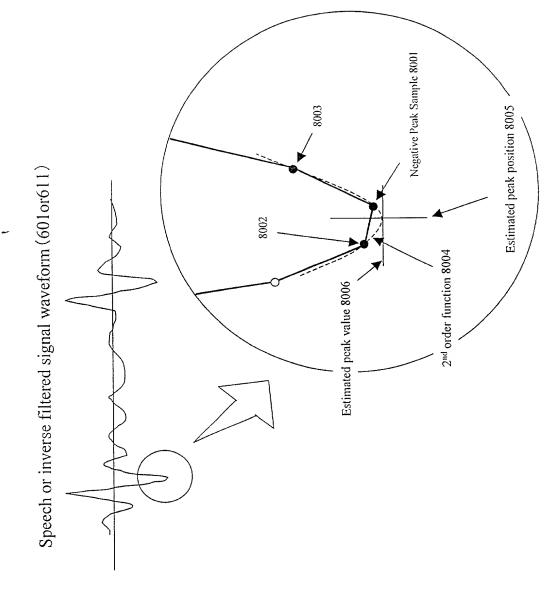
$$AE : Peak value$$

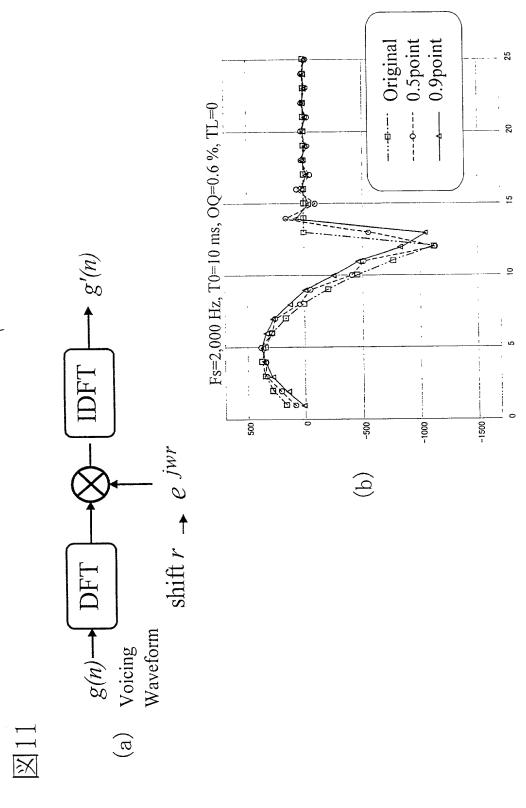


Title: SPEECH ANALYSIS METHOD AND SPEECH SYNTHESIS SYSTEM Atty. Ref. No.: 5077-000066



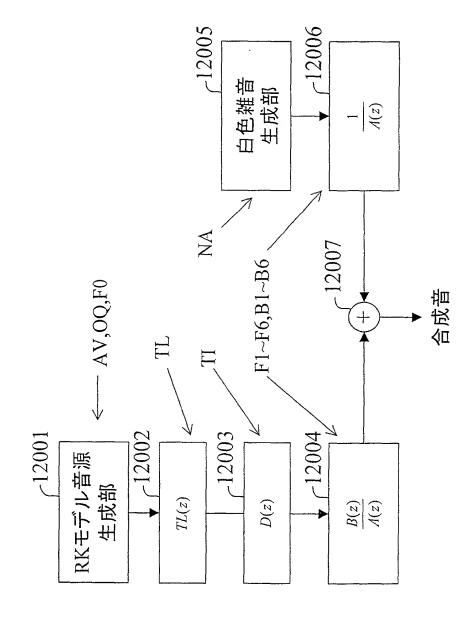
Title: SPEECH ANALYSIS METHOD AND SPEECH SYNTHESIS SYSTEM ANALYSIS METHOD AND SPEECH SYNTHESIS SYSTEM



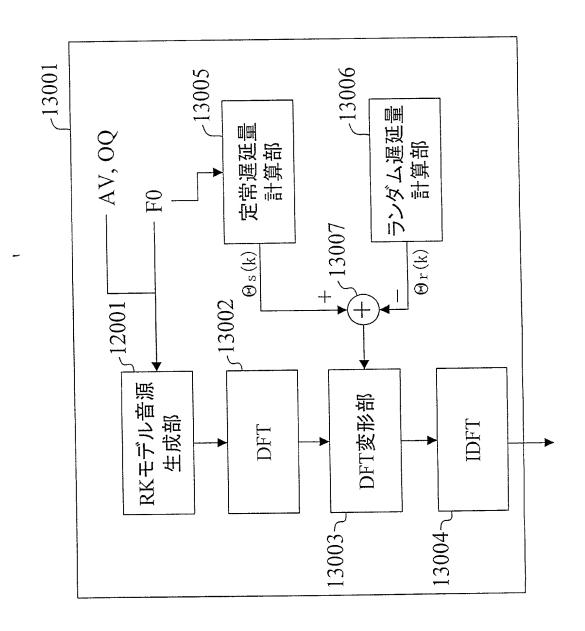


Title: SPEECH ANALYSIS METHOD AND SPEECH SYNTHESIS SYSTEM ANAL SPEECH SYNTHESIS SYSTEM

Title: SPEECH ANALYSIS METHOD AND SPEECH SYNTHESIS SYSTEM Atty. Ref. No.: 5077-000066

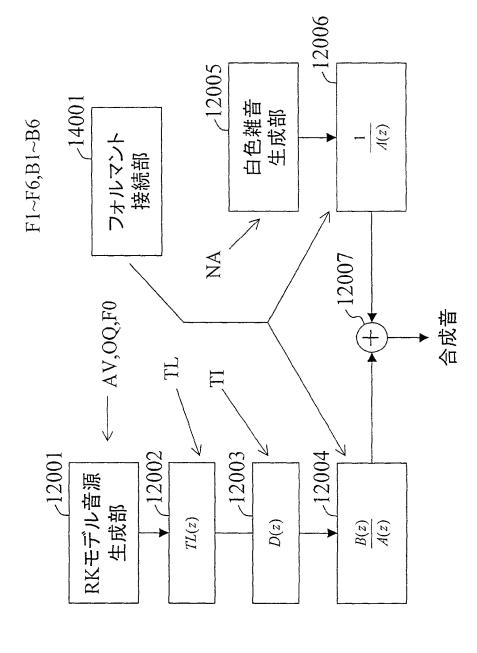


Title: SPEECH ANALYSIS METHOD AND SPEECH SYNTHESIS SYSTEM Atty. Ref. No.: 5077-000066



14/30

Title: SPEECH ANALYSIS METHOD AND SPEECH SYNTHESIS SYSTEM Inventor: TAKAHIRO KAMAI Atty. Ref. No.: 5077-000066



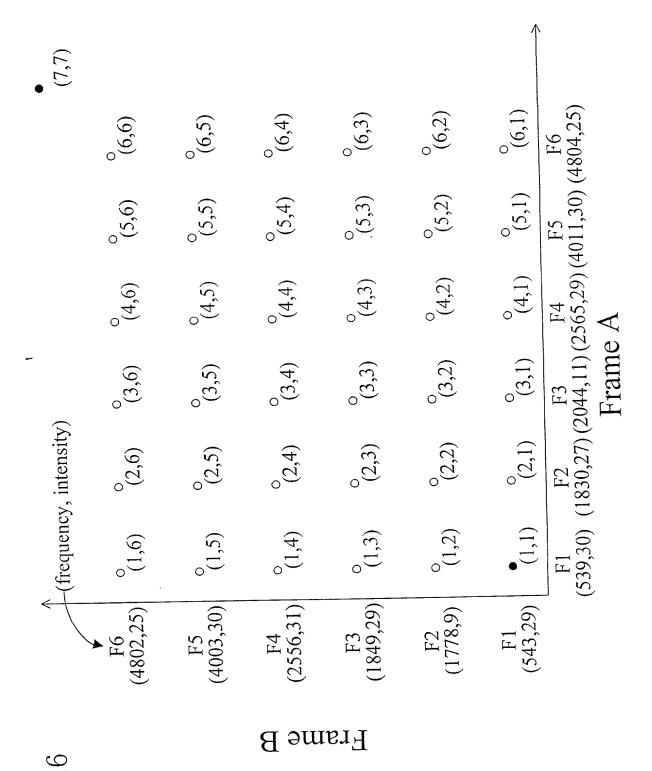
Frame A

Frame B

Frame Number

12/30

Title: SPEECH ANALYSIS METHOD AND SPEECH SYNTHESIS SYSTEM Atty. Ref. No.: 5077-000066

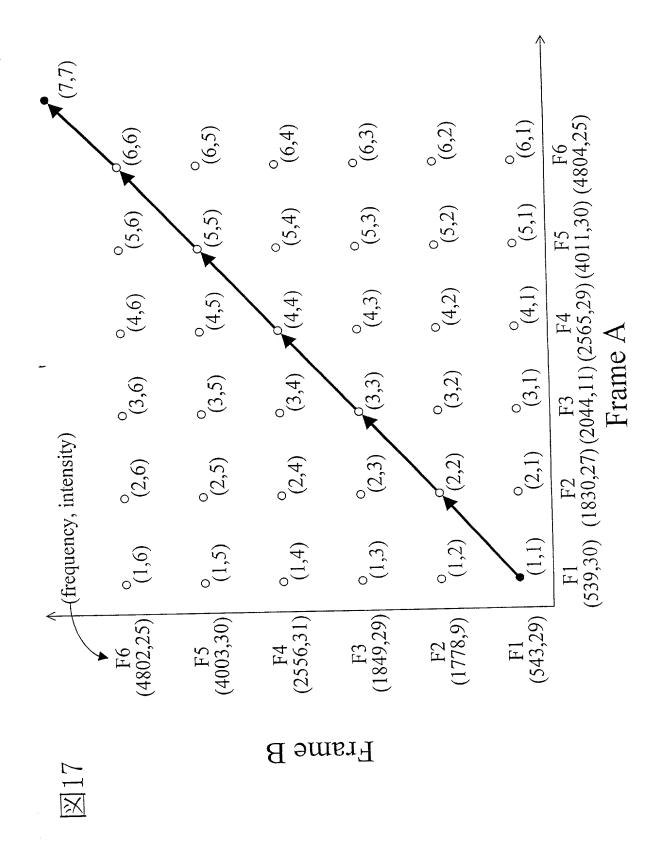


16/30

Title: SPEECH ANALYSIS METHOD AND SPEECH SYNTHESIS SYSTEM AND SPEECH SYNTHESIS SYSTEM

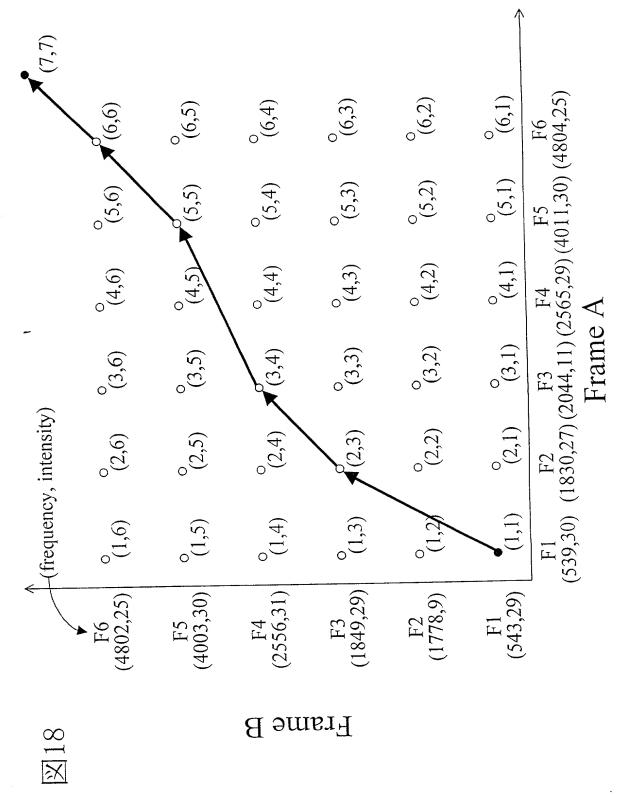
17/30

Title: SPEECH ANALYSIS METHOD AND SPEECH SYNTHESIS SYSTEM AMALYSIS METHOD AND SPEECH SYNTHESIS SYSTEM



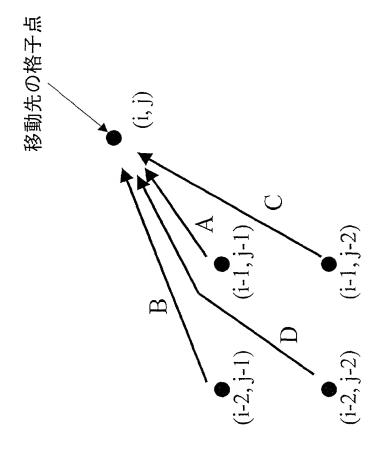
18/30

Title: SPEECH ANALYSIS METHOD AND SPEECH SYNTHESIS SYSTEM Atty. Ref. No.: 5077-000066



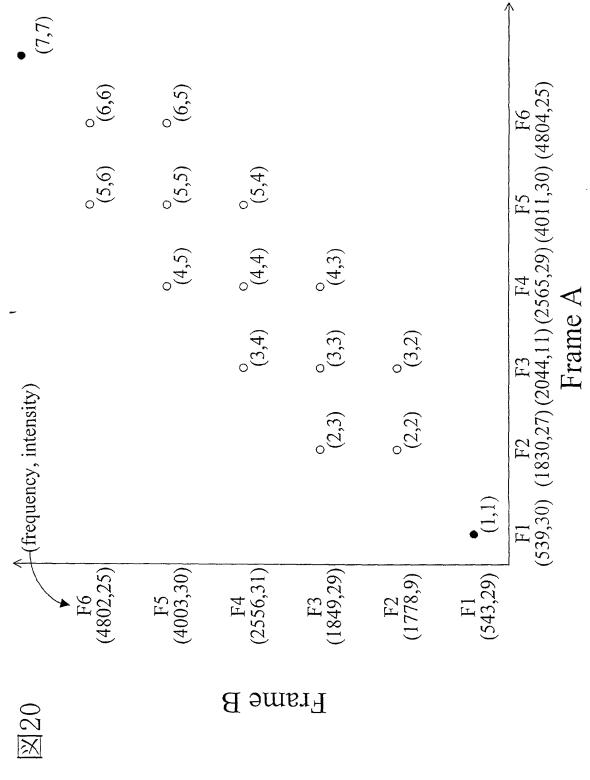
19/30

Title: SPEECH ANALYSIS METHOD AND SPEECH SYNTHESIS SYSTEM Atty. Ref. No.: 5077-000066

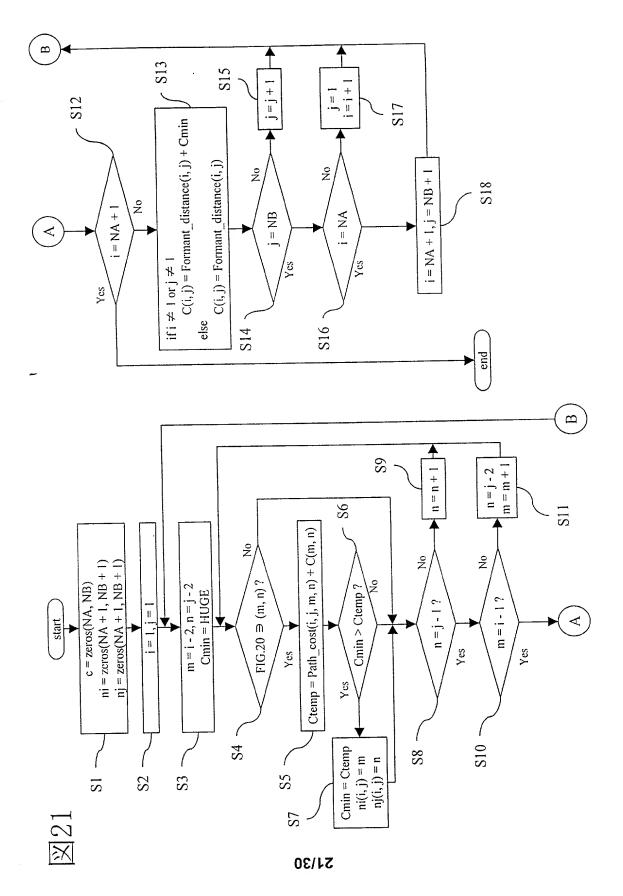


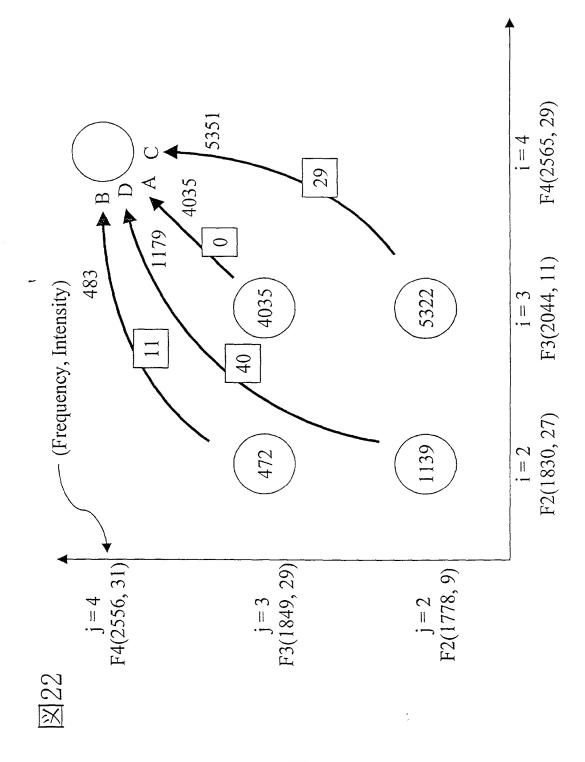
20/30

Title: SPEECH ANALYSIS METHOD AND SPEECH SYNTHESIS SYSTEM Inventor: TAKAHIRO KAMAI Atty. Ref. No.: 5077-000066



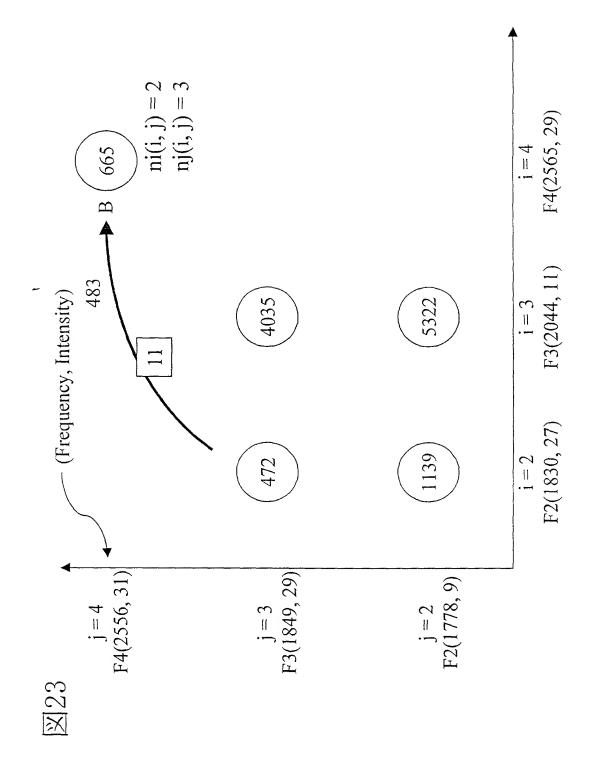
Title: SPEECH ANALYSIS METHOD AND SPEECH SYNTHESIS SYSTEM Atty. Ref. No.: 5077-000066



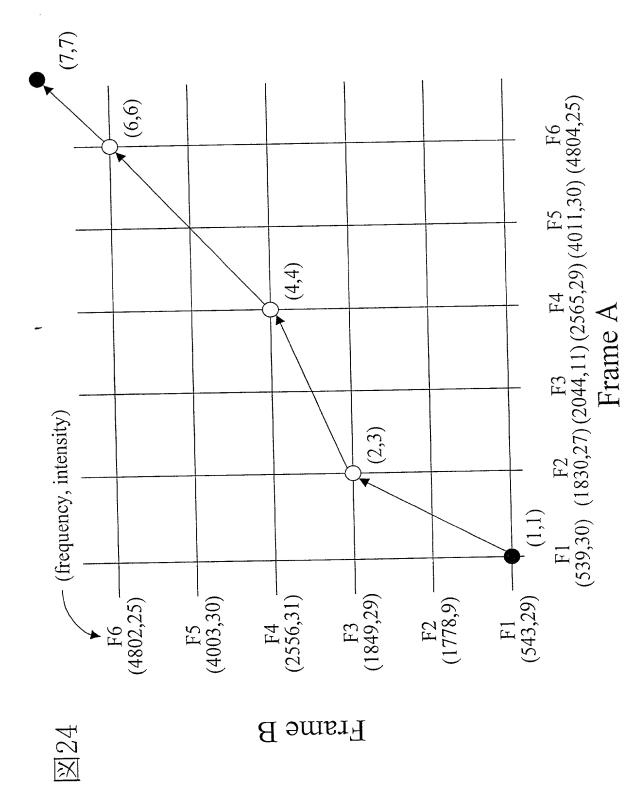


22/30

Title: SPEECH ANALYSIS METHOD AND SPEECH SYNTHESIS SYSTEM Atty. Ref. No.: 5077-000066



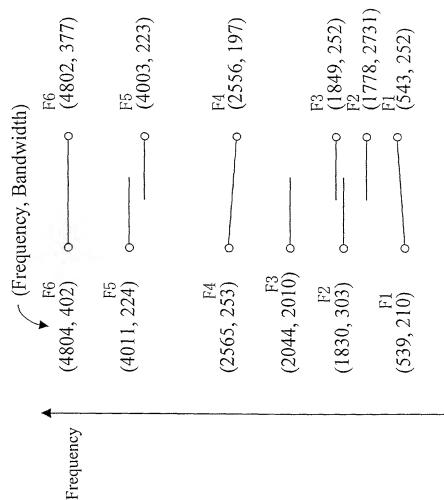
Title: SPEECH ANALYSIS METHOD AND SPEECH SYNTHESIS SYSTEM Atty. Ref. No.: 5077-000066



24/30

Title: SPEECH ANALYSIS METHOD AND SPEECH SYNTHESIS SYSTEM Atty. Ref. No.: 5077-000066

※25



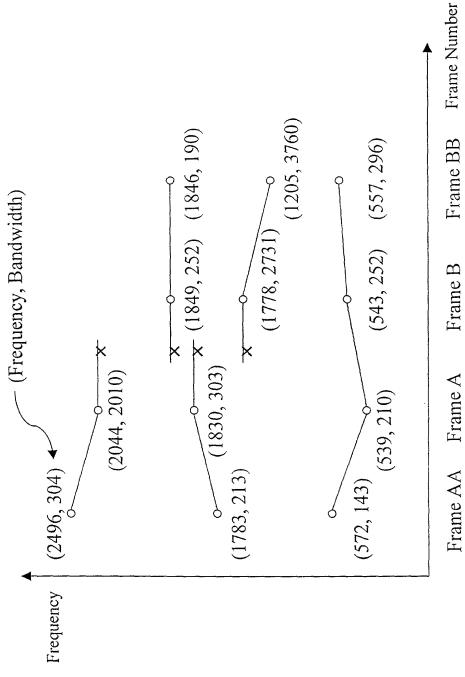
52/30

Title: SPEECH ANALYSIS METHOD AND SPEECH SYNTHESIS SYSTEM Atty. Ref. No.: 5077-000066

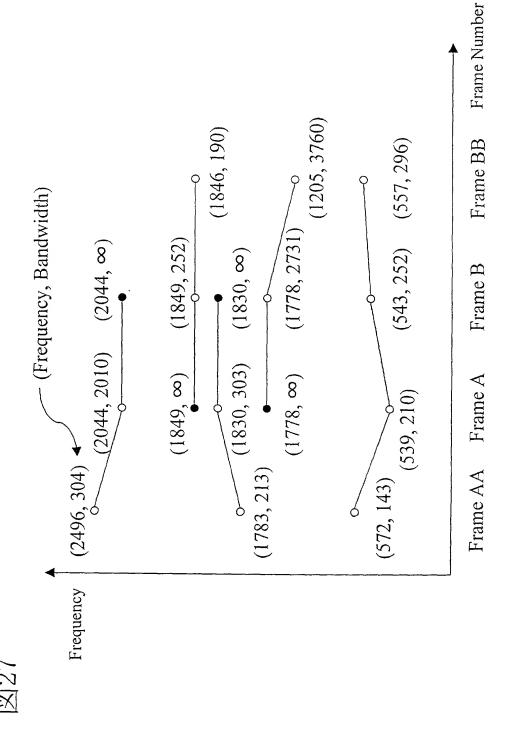
Frame A Frame B

Frame Number



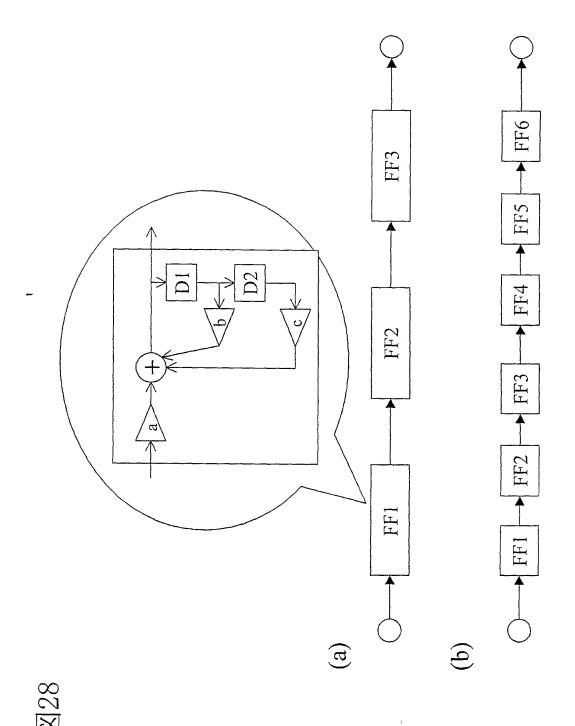


Title: SPEECH ANALYSIS METHOD AND SPEECH SYNTHESIS SYSTEM Inventor: TAKAHIRO KAMAI Atty. Ref. No.: 5077-000066



27/30

Title: SPEECH ANALYSIS METHOD AND SPEECH SYNTHESIS SYSTEM Inventor: TAKAHIRO KAMAI Atty. Ref. No.: 5077-000066



Title: SPEECH ANALYSIS METHOD AND SPEECH SYNTHESIS SYSTEM AND SPEECH SYNTHESIS SYSTEM Atty. Ref. No.: 5077-000066

	Frame AA	Frame A	Frame B	Frame BB
FF1	572,143,1	539,210,1	543,252,1	557,296,1
FF2	1783,213,2	1778,∞,0	1778,2731,2 1205,3760,2	1205,3760,2
FF3	2496,304,3	1830,303,2	1830,∞,3	1846,190,4
FF4	0,0,0	1849,∞,0	1849,252,4	0,0,0
FF5	0,0,0	2044,2010,3	2044,∞,5	0,0,0
FF6	0,0,0	0,0,0	0,0,0	0,0,0

F: frequency
B: band-width
N: previous filter number

Title: SPEECH ANALYSIS METHOD AND SPEECH SYNTHESIS SYSTEM Atty. Ref. No.: 5077-000066